

# NEW: Megamat RS

Experience innovation:

- Automated computer controlled vertical carousel
- High density storage: saving space, time and money

kardex remstar

Megamat RS 350

**new**

STYLISH DESIGN

AUTOMATIC  
CHAIN TENSIONER

LOW POWER  
CONSUMPTION

LIGHTWEIGHT  
SLIDING DOOR

## **NEW:** Kardex Remstar Megamat RS

The best of both worlds:  
The fusion of progress and tradition  
in a new generation of storage technology.



**The Megamat RS is an automated vertical carousel using the paternoster principle. It uses the “goods to person” concept for goods with a high picking frequency.**

**By introducing cutting-edge production and design technologies, Kardex Remstar has thoroughly refined the Megamat system, which has been proven over decades of use, for its environmental and energy efficiency.**

Both at the production stage and throughout the entire operating lifecycle, the Megamat RS meets the conditions for a responsible and cost-conscious design:

- At the same time as improving the structure, a significant reduction in material usage has been achieved: compared to the previous model, certain components of the new Megamat RS achieve a weight reduction of up to 50%.
- Avoid, not reclaim. Through the perfect combination of drive motor, high efficiency transmission and precision-calibrated frequency converter, the new Megamat RS requires 40% less energy.

This results in noticeably reduced lifecycle costs.

- Kardex Remstar is committed to environmentally efficient management in the production of the Megamat system: In recent years a highly efficient energy management system has been developed and integrated in all production and supply processes. Kardex Remstar has been recognised more than once at the German federal level for its green processes.

### **The principle**

The compact design of the Megamat RS ensures maximum storage space using minimal floor space. The integration as a freestanding carousel or as a multi-storey combination with several access openings can be easily managed up to a level of 10 metres, enabling the greatest possible storage efficiency. Each Megamat can be used as a stand-alone solution or can be connected to a client host system as required.

### **Control features**

Flexibility is also delivered through a choice of controls: The Megamat RS features the proven C3000 control system. With the “drive and view” feature, the system can also run without a warehouse management system; the touch of a button allows the carriers to rotate within the machine allowing the user to view what is contained on each carrier. By using Power Pick Global all activities are optimised; picking productivity, accuracy and space efficiency are all significantly improved. In addition, higher-level ERP and host systems can easily be integrated with standard interfaces.



# new

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Thanks to its extremely fast access times, the Megamat RS is particularly well suited for the picking of small parts, using the “drive and view” feature. Barcode solutions, position indicators and pick-to-light technology can also be incorporated.

### Safe and Secure

The Megamat RS features a multi-level safety system for personal safety and to safeguard stored goods. As standard, the user is provided with optimal protection against work accidents by the protection system in the access opening and the earthquake-proven<sup>1</sup> storage system. Stored goods are protected from unauthorised access by a lockable door. Security can be further augmented by a combination of physical and logical barriers, such as password protection, RFID chips and swipe card access.

To ensure maximum safety, Kardex Remstar has equipped the new Megamat RS with four impressive features:

#### – Emergency hand crank

Even in the event of a power outage, the emergency hand crank provides access to stored products at all times.

#### – Automatic chain tensioner

The new chain tensioner significantly reduces the susceptibility of the load chain to wear and tear. The result: a reliable and long-lasting storage system.

#### – Clip system

The innovative Kardex Remstar clip system allows for simple, fast and extremely safe assembly of the panels. The increased system stability guarantees maximum protection both for stored goods and on-site employees.

#### – Lightweight sliding door

The new sliding door design, which offers an exceptionally light and smooth movement, can be activated either automatically or manually.

The lockable door can be opened with just one hand. This guarantees ease of handling and uninterrupted work.

<sup>1</sup> DIN 4149, Zone 3

### Highlights at a glance:

- Maximum storage capacity on minimal floorspace
- Increased storage space through high-density storage
- High levels of picking productivity possible
- Innovation capability and future adaptability using a flexible system structure
- Stylish new design

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## **NEW:** Kardex Remstar multi purpose carriers. **Organisation. Neatness. Optimal arrangement.** Highly adaptable, user configurable carrier concept.

The multipurpose carriers in the Megamat RS are ideal for storing:

- Products (direct storage)
- Standard storage and transport containers
- Customer-specific containers and bins

The versatile multi purpose carriers can be customised for almost any purpose. The flexible carrier system allows for efficient storage of a wide range of storage products. Anything from bulk goods to very small parts can be efficiently accommodated.

The maximum storage area per carrier can be up to 16 sq.m. The maximum load capacity is 350/650 kilos per carrier.

The carriers can be individually subdivided by height to meet the needs of specific applications using self-supporting intermediate shelves or intermediate shelves with support plates. A combination of drawers, flaps and dividers can be used as required. A high density storage system for small parts can be created by using standard containers.

The Megamat RS offers flexibility in the selection of Carrier depth, width and height.

### **Innovations at a glance:**

- Energy-saving drive technology
- Maximum security with minimal material consumption
- Specially engineered control concepts for every application area – “drive and view”

## **NEW:** Flexible Storage



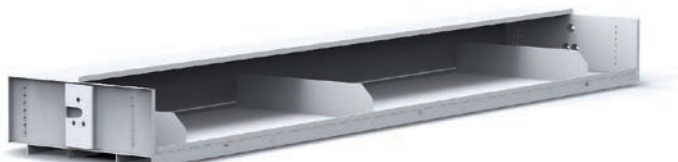
Open carrier to provide various storage options



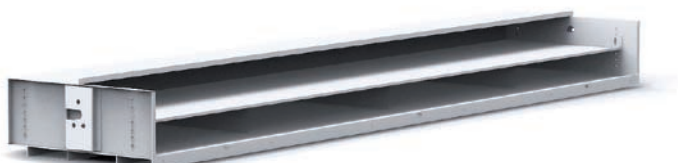
Carrier with built-in drawers for secure and convenient storage



Carrier with built-in drawers, separator set and intermediate shelf



Carrier with partitions for easy sorting of stored goods



Carrier with self-supported intermediate shelf for storage of large, flat parts



**More space: Now it stores everything.**  
The new MEGAMAT RS offers eight advantages for the economic and safe storage of your parts.



**1**

**More space.  
Better organisation.**

- Up to 60 per cent more storage capacity
- Well organised storage of small parts
- Positioned at the point of use, rapid access
- Suitable for all customary storage containers and storage bins

**2**

**Speed and  
Productivity**

- Very high picking productivity
- High running speed
- Optimised utilisation and reduction of storage space
- Reduced picking errors
- Short picking times
- Position indication

**3**

**Individuality and  
Flexibility**

- **NEW:** Modular design
- Wide range of retrofit options
- **NEW:** Carrier concept
- Multiple options
- Stand-alone or integrated solution

**4**

**Quality and  
Efficiency**

- Noticeably reduced life cycle costs (TCO) – Avoid, not reclaim
- Certified Quality and Environment Management Systems
- Made in Germany – by specialists for automated vertical carousel systems
- World-wide service network: Kardex Remstar Life-Cycle-Management





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#### Safety

- **NEW:** Emergency hand crank in case of power failure
- **NEW:** Clip system for simple, rapid assembly and greater system stability
- Access control
- Optimised protection for personnel and stored products



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#### Ergonomic Design

- "Goods to person" principle
- "Drive and view"
- Optimised user-friendliness
- Multifunctional profile: customised attachment for operator controls and accessories
- **NEW:** Ultra-smooth sliding doors
- Confirmation bar

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#### Technology

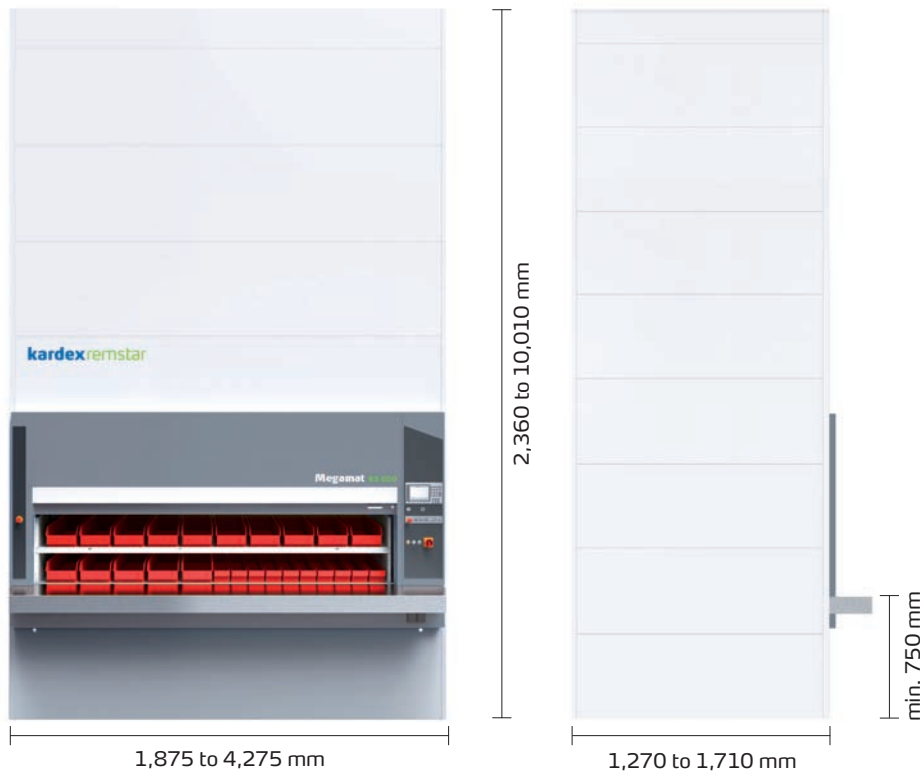
- Modern design
- **NEW:** Low-wear operation by using automatic chain tensioner
- Modern endurance-tested materials
- Unit control using optional Power Pick Global storage management system

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#### Investment Security

- Long service life
- **NEW:** Retrofit and conversion packs to change application
- Kardex Remstar: your reliable partner
- Get tomorrow's technology today





## Technical Information

Unit Dimensions	RS 350	RS 650
Width	1,875 to 4,275 mm	1,975 to 4,275 mm
Height	min. 2,360 mm max. 10,010 mm	
Depth	1,270 mm 1,470 mm 1,670 mm	1,310 mm 1,510 mm 1,710 mm

*Special dimensions on request*

### Usable Carrier Dimensions

Width	min. 1,250 mm max. 3,650 mm	1,250 mm 3,550 mm
Height	225 mm 263 mm 301 mm 339 mm 377 mm 415 mm 453 mm 491 mm	254 mm 305 mm 356 mm 407 mm 457 mm
Depth	428 mm 528 mm 628 mm	

### Unit Imbalance

max.	1,200 kg	2,100 kg
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### Load per Carrier

350 kg	650 kg
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### Unit Load

max.	12,500 kg	19,000 kg
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### Standard Colours

#### Access Opening:

RAL 3003 Ruby red  
 RAL 5005 Signal blue  
 RAL 5014 Pigeon blue  
 RAL 5015 Sky blue  
 RAL 5019 Capri blue  
 RAL 6011 Reseda green  
 RAL 6025 Fern green  
 RAL 7004 Signal grey  
 RAL 7012 Basalt grey  
 RAL 7035 Light grey

Panels, corner profile and carriers:  
RAL 7035 Light grey

Other colours available on request

\* Usable Carrier Dimensions  
(For further details,  
see Technical Information)

Further information:  
[www.kardex-remstar.com](http://www.kardex-remstar.com)

### Options:

- ESD design
- Split frames
- Picking package
- Interfaces
- Multiple sampling
- Voltage adjustment
- 25 operating languages
- EURO-UL-version
- Position indicator
- Corrosion prevention plate

- Corrosion prevention plate
- Position indicator

# Kardex Remstar: Always close to you. Worldwide.



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Austria  
Belgium  
China  
Cyprus  
Czech Republic  
Denmark

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Ireland

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USA



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**Further information:**  
[www.kardex-remstar.com](http://www.kardex-remstar.com)